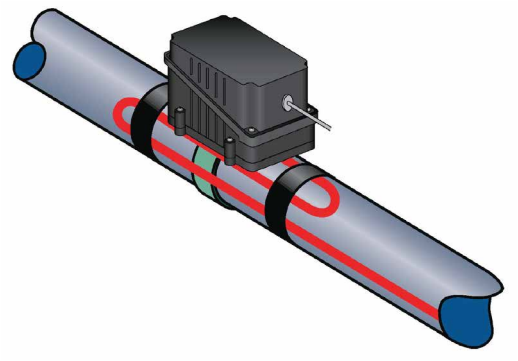
COMMERCIAL RTAS AMBIENT SENSING THERMOSTAT

PRODUCT OVERVIEW



Chromalox® RTAS Ambient Sensing Thermostat combines temperature control and a power connection in a convenient, easy to use package for freeze protection applications in ordinary areas for CPR, CPM and CZH heating cables. The thermostat is mounted through the end of the oblique sided enclosure lid, and there's room to terminate multiple heating cables. The stainless steel sheathed, inverted bellows probe provides high sensitivity, resulting in more accurate control. The NEMA 4X rated enclosure is molded of durable, weather and corrosion resistant polyphenylene sulfide (PPS), designed to keep moisture from reaching the electrical connections.

DESCRIPTION

These kits provide an ambient sensing thermostat as well as termination for freeze protection applications.

KIT CONTENTS

- 1 Molded Junction Box Consisting of:
  - 1 Base
  - 1 Box with Conduit Opening
  - 1 Lid
- 1 Three-Position Terminal Block
- 1 Black Gable Grommet
- 1 Orange Cable Grommet
- 1 Cover Gasket
- 4 Cover Screws
- 4 Box Screws
- 1 Mounting Screw for Terminal Block
- 1 6-in. (152-mm) length of insulating tubing
- 1 8-in. (203-mm) length of 14 AWG insulated wire
- 1 Ring connector
- 1 Uninsulated Barrel Connector
- 1 Thermostat

MATERIALS

Junction Box, Pipe Standoff	Electrostatic-charge-resistant, glass-filled engineered polymer, black
Temperature Probe	Stainless Steel
Self-Regulating Cable Grommet	Silicone rubber, black
Constant-Wattage Cable Grommet	Silicone rubber, orange
Cover Gasket	Silicone Rubber, black
Cover Screws (4)	Stainless Steel

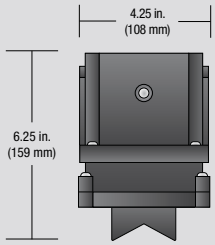
COMMERCIAL RTAS AMBIENT SENSING THERMOSTAT

APPROVALS

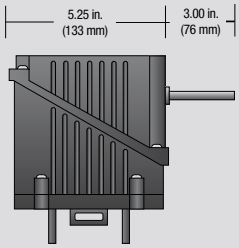
- Ordinary Areas
- Ordinary Areas

DIMENSIONS

Front View



Side View



PRODUCT SPECIFICATIONS

Heating Cable Use	CPR, CPM, CZH
Ingress Protection	NEMA 4X
Entries	0.75 in (19 mm)
Operating Temperature Range	-40° to 160° F (-40° to 71 °C)
Temperature Setpoint	0° F to 225° F (-18° to 107°C)
Temperature Assembly Dimensions	0.562 in (14.3 mm) diameter 3.0” (76.2 mm) long
Minor Scale Division	10°F (5.6°C)
Maximum Sensor Exposure Temperature	250°F (121 °C)
Switch Rating	SPDT, 22A, 120-480V
Maximum Circuit Breaker	50 A
Conductor Size Range	8 - 16 AWG
Weight	4 lb (1.81 kg)

ORDER DETAILS

Catalog Description	Commercial RTAS Ambient Sensing Thermostat
Part Number	513199

CHROMALOX

1347 Heil Quaker Blvd
LaVergne, TN 37086

TECHNICAL SUPPORT
412-967-3940

email: sales@chromalox.com
www.chromalox.com

*press 1 to be directed to heat trace support

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